

Attorney's Docket No.: 06666-107001 / USC-3022

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0322

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Daniel Marcu Art Unit : Unknown  
Serial No.: 09/854,327 ✓ Examiner : Unknown  
Filed : May 11, 2001  
Title : MACHINE TRANSLATION TECHNIQUES

Commissioner for Patents  
Washington, D.C. 20231

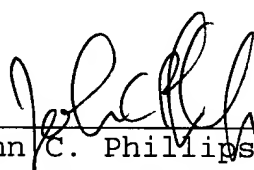
INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 7/20/01

  
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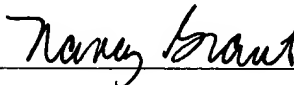
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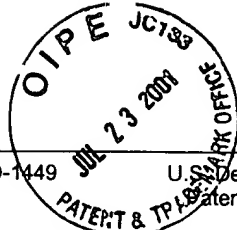
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06666-107001	Application No. 09/854,327
		Applicant Daniel Marcu	
		Filing Date May 11, 2001	Group Art Unit

**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,477,451	12/19/95	Brown et al.			
	AB	5,761,631	6/2/98	Nasukawa			
	AC	5,805,832	9/8/98	Brown et al.			
	AD	5,903,858	5/11/99	Saraki			
	AE	5,991,710	11/23/99	Papineni et al.			
	AF	6,205,456 B1	3/20/01	Nakao			

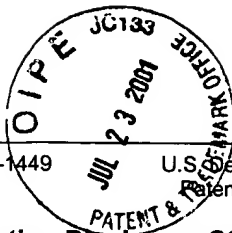
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG							
	AH							
	AI							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AJ	Sumita et al., "A discourse structure analyzer for Japanese text," <i>Proceedings of the International Conference on Fifth Generation Computer Systems</i> , vol. 2, pp. 1133-1140 (1992)
	AK	Kurohashi et al., "Automatic detection of discourse structure by checking surface information in sentences," <i>proceedings of COL-ING '94</i> , vol. 2, pp. 1123-1127 (1994)
	AL	Marcu, "The rhetorical parsing of natural language texts," <i>Proceedings of ACL/EACL '97</i> , pp. 96-103 (1997)
	AM	Corston-Oliver, "Beyond string matching and cue phrases: Improving efficiency and coverage in discourse analysis," <i>The AAAI Spring Symposium on Intelligent Text Summarization</i> , pp. 9-15 (1998)
	AN	Miike et al., "A full-text retrieval system with a dynamic abstract generation function," <i>Proceedings of SI-GIR '94</i> , pp. 152-161 (1994)
	AO	Marcu, "Discourse trees are good indicators of importance in text," <i>Advances in Automatic Text Summarization</i> , The MIT Press (1999)
	AP	Marcu, "Instructions for Manually Annotating the Discourse Structures of Texts", Discourse Annotation, pp. 1-49, May 18, 1999
	AQ	Marcu, "The Rhetorical Parsing, Summarization, and Generation of Natural Language Texts", Ph.D. Thesis, University of Toronto (1998)
	AR	Brown et al., "The Mathematics of Statistical machine Translation: Parameter Estimation", <i>Computational Linguistics</i> , Vol. 19, No. 2, pp. 263-311 (June 1993)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>06666-107001</b>	Application No. <b>09/854,327</b>
	Applicant <b>Daniel Marcu</b>		
	Filing Date <b>May 11, 2001</b>	Group Art Unit	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AS	Jelinek, "Fast Sequential Decoding Algorithm Using a Stack", <i>IBM J. Res. Develop.</i> , Vol. 13, No. 6, pp. 675-685, November 1969
	AT	Knight, "Decoding Complexity in Word-Replacement Translation Models", <i>Computational Linguistics</i> , Vol. 25, No. 4, pp. 607-615 (December 1999)
	AU	Monasson et al., "Determining computational complexity from characteristic 'phase transitions'", <i>Nature</i> , Vol. 400, pp. 133-137 (July 1999)
	AV	Selman et al., "A New Method for Solving Hard Satisfiability Problems", <i>Proceedings of the Tenth National Conference on Artificial Intelligence</i> , pp. 440-446 (July 1992)
	AW	Tillmann et al., "A DP based Search Using Monotone Alignments in Statistical Translation", in <i>Proc. ACL</i> , pp. 289-296 (1997)
	AX	Wang et al., "Decoding Algorithm in Statistical Machine Translation", in <i>Proc. ACL</i> , pp. 366-372 (1996)
	AY	Wu et al., "A Polynomial-Time Algorithm for Statistical Machine Translation", in <i>Proc. ACL</i> , pp. 152-158 (1996).

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